AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A display device comprising:

a display panel which is equipped with pixels including a light-emitting element;

a temperature detection unit which detects an ambient temperature;

a storage unit ~~having stored therein~~ in which a temperature characteristic and an aging characteristic of the light-emitting element are stored;

an arithmetic operation unit which calculates a lighting period of each pixel using an output of the temperature detection unit, the temperature characteristic, and a video signal;

a count unit which counts a cumulated lighting period of each pixel using an output of the arithmetic operation unit; and

a correction unit which corrects [[a]] the video signal to be inputted to each pixel using the aging characteristic and the cumulated lighting period and supplies the corrected video signal to the display panel.

2. (Currently Amended) A display device according to claim 1, wherein the arithmetic operation unit calculates an acceleration factor from the output of the temperature detection unit and the temperature characteristic and [[also]] calculates [[a]] the lighting period of each pixel from a multiplication of the video signal and the acceleration factor.

3. (Original) A display device according to claim 1, wherein the temperature detection unit is a light-emitting element.

Claims 4-6 (Canceled)

7. A drive method for a display device having a display panel equipped with pixels including a light-emitting element, a temperature detection unit, a storage unit ~~having stored therein~~ in which a temperature characteristic and an aging characteristic of the light-emitting

element are stored, an arithmetic operation unit, a count unit and a correction unit, comprising the steps of:

[[a]] detecting an ambient temperature by the temperature detection unit;

[[a]] calculating a lighting period of each pixel using an output of the temperature detection unit, the temperature characteristic, and a video signal by the arithmetic operation unit;

[[a]] counting a cumulated lighting period of each pixel using an output of the arithmetic operation unit by the count unit;

[[a]] correcting [[a]] the video signal to be inputted to each pixel using the aging characteristic and the cumulated lighting period by the correction unit; and

[[a]] displaying an image using the corrected video signal by the display panel.

8. (Currently Amended) A drive method for a display device according to claim 7, wherein the arithmetic operation unit calculates an acceleration factor from the output of the temperature detection unit and the temperature characteristic and [[also]] calculates [[a]] the lighting period of each pixel from a multiplication of the video signal and the acceleration factor.

9. (Original) A drive method for a display device according to claim 7, wherein the temperature detection unit is a light-emitting element.

Claims 10-12 (Canceled)

13. (Currently Amended) A display device comprising:

a display panel which is equipped with pixels including a light-emitting element;

a temperature detection unit which detects an ambient temperature;

a storage unit ~~having stored therein~~ in which a temperature characteristic and an aging characteristic of the light-emitting element are stored;

a count unit which counts a cumulated lighting period of each pixel; and

a correction unit which corrects a video signal to be inputted to each pixel using the aging characteristic and the cumulated lighting period and supplies the corrected video signal

to the display panel.

14. (Original) A display device according to claim 13, wherein the temperature detection unit is a light-emitting element.

Claims 15-16 (Canceled)

17. (Currently Amended) A drive method for a display device having a display panel equipped with pixels including a light-emitting element, a temperature detection unit, a storage unit ~~having stored therein~~ in which a temperature characteristic and an aging characteristic of the light-emitting element are stored, a count unit and a correction unit, comprising the steps of:

detecting ambient temperature by the temperature detection unit;

counting a cumulated lighting period of each pixel by the count unit;

correcting a video signal to be inputted to each pixel using the aging characteristic and the cumulated lighting period by the correction unit; and

displaying an image using the corrected video signal by the display panel.

18. (Original) A drive method for a display device according to claim 17, wherein the temperature detection unit is a light-emitting element.

Claims 19-20 (Canceled)